Index for Volume 37 (1966)

Prepared for the Research Council by

J. GROVE WOLF

assisted by

BERNARD G. STARKS

Authors and important topics are indexed. Topics selected for indexing are those for which the article supplies information or data. The brief descriptive phrase is followed by the author's name, month, and page of reference.

AAHPER Youth Fitness test
see Youth Fitness test.

accidents
in physical education programs, Dissinger, J. K., Dec.: 495

accuracy
golf putting, Neale, D. C., and Anderson, B. D., Mar.: 89.

achievement
effects of participation on, Sloan, M. R., and Liba, M. R., Oct.: 411.
tennis test, Hewitt, J. E., May: 231.

activity
effects of exercise on amount and intensity of, Hanson, D., Van Huss, W., and Strautneik, G., May: 221.

Adams, Adran, May: 163.

Adrian, Marlene J., May: 168.

age
learning of motor tasks influenced by sex and, Bachman, J. C., May: 176.

agility
effects of isometric exercises upon, Baley, J. A., Oct.: 291.
relationship of dance to balance, flexibility, power, strength, and, Bushey, S. R., Oct.: 313.

Alderman, Richard B., Oct.: 429.

Anderson, Bruce D., Mar.: 89.

angles
and leg extension force, Berger, R. A., Dec.: 550.

anthropometry
power, speed, strength and measures in lower limb, Start, K. B., Gray, R. K., Glencross, D. J., and Walsh, A., Dec.: 553.
relationships between flexibility, somatotype, and, Laubach, L. L. and McConville, J. T., May: 241.
studies from 1940-1960, Mitchem, J. C. and Arsenault, B. K., Oct.: 438.

archery
measures related to the draw, Eckert, H., and Wendt, D., Mar.: 145.
transfer, success and learning difficulty, Singer, R. N., Dec.: 532.

arm
strength relative to speed, Colgate, J. A., Mar.: 14.

Arsenault, Barbara K., Oct.: 438.

Askew, Nathaniel R., Dec.: 451.

athletics
personality and participation in, Werner, A. C., and Gottheil, E., Mar.: 126.

attitude
toward physical education, Moyer, L. J., Mitchem, J. C., and Bell, M. M., Dec.: 515.

Auxter, David M., Dec.: 455.

Bachman, John C., May: 176.

Index for Volume 37 (1966)

Prepared for the Research Council by

J. GROVE WOLF

assisted by

BERNARD G. STARKS

Authors and important topics are indexed. Topics selected for indexing are those for which the article supplies information or data. The brief descriptive phrase is followed by the author's name, month, and page of reference.

AAHPER Youth Fitness test
see Youth Fitness test.

accidents
in physical education programs, Dissinger, J. K., Dec.: 495

accuracy
golf putting, Neale, D. C., and Anderson, B. D., Mar.: 89.

achievement
effects of participation on, Sloan, M. R., and Liba, M. R., Oct.: 411.
tennis test, Hewitt, J. E., May: 231.

activity
effects of exercise on amount and intensity of, Hanson, D., Van Huss, W., and Strautneik, G., May: 221.

Adams, Adran, May: 163.

Adrian, Marlene J., May: 168.

age
learning of motor tasks influenced by sex and, Bachman, J. C., May: 176.

agility
effects of isometric exercises upon, Baley, J. A., Oct.: 291.
relationship of dance to balance, flexibility, power, strength, and, Bushey, S. R., Oct.: 313.

Alderman, Richard B., Oct.: 429.

Anderson, Bruce D., Mar.: 89.

angles
and leg extension force, Berger, R. A., Dec.: 550.

anthropometry
power, speed, strength and measures in lower limb, Start, K. B., Gray, R. K., Glencross, D. J., and Walsh, A., Dec.: 553.
relationships between flexibility, somatotype, and, Laubach, L. L. and McConville, J. T., May: 241.
studies from 1940-1960, Mitchem, J. C. and Arsenault, B. K., Oct.: 438.

archery
measures related to the draw, Eckert, H., and Wendt, D., Mar.: 145.
transfer, success and learning difficulty, Singer, R. N., Dec.: 532.

arm
strength relative to speed, Colgate, J. A., Mar.: 14.

Arsenault, Barbara K., Oct.: 438.

Askew, Nathaniel R., Dec.: 451.

athletics
personality and participation in, Werner, A. C., and Gottheil, E., Mar.: 126.

attitude
toward physical education, Moyer, L. J., Mitchem, J. C., and Bell, M. M., Dec.: 515.

Auxter, David M., Dec.: 455.

Bachman, John C., May: 176.

back lift
effects of isometric exercises upon, Baley, J. A., Oct.: 291.

balance
influence of age and sex on amount and rate of learning, Bachman, J. C., May: 176.
instability in high heels, Adrian, M. J., and Karpovich, P. V., May: 168.
relationship of dance to agility, flexibility, power, strength, and, Bushey, S. R., Oct.: 313.

Baley, James A., Oct.: 291.

Bell, Mary M., Dec.: 515.

Bender, Jay A., Mar.: 3.

Berger, Richard A., Mar.: 9, Oct.: 431, Dec.: 560.

Bjorgum, Richard K., Dec.: 462.

blisters
prevention of, Brown, J., and Childers, P., May: 187.

Blyth, Carl S., Oct.: 360.

body
strength, flexibility, and size, Laubach, L. L. and McConville, J. T., Oct.: 375.

Booth scale
cross-validation of, Kroll, W., and Petersen, K. H., Mar.: 66.

Bowers, Louis, Oct.: 302.

Bowers, Richard W., Oct.: 332.

Brose, Donald, Mar.: 150.

Brown, Joe, May: 187.

Burnham, Stan, Mar.: 79.

Bushey, Suzanne R., Oct.: 313.

calisthenics
see exercise.

cardiovascular-respiratory
factor analysis of test variables, Cureton, T. K., Oct.: 317.

Childers, Perry, May: 187.

chinning
relationship to total strength, Berger, R. A., Oct.: 431.

Clarke, David H., Dec.: 468.

Colgate, John A., Mar.: 14.

Costill, David L., Dec.: 564.

Cratty, Bryant, J., Dec.: 480.

Crawford, Charles, Mar.: 150.

Cunningham, David A., Dec.: 491.

Cureton, Thomas K., Oct.: 317.

dance
perceptual differences of football players, dancers, and nonperformers, Slusher, H. S., Oct.: 424.
relationship to agility, balance, flexibility, power and strength, Bushey, S. R., Oct.: 313.

Dawson, Rosemary M., May: 282.

Dissinger, Jean K., Dec.: 495.

Dowell, Linus J., Mar.: 23.

Drowatsky, John N., Mar.: 32.

dynamometer
origin of the spring scale, Pangle, R., and Garrett, L., Mar.: 155.

Eckert, Helen, Mar.: 143, 145.

emotional health
appraisal of, Lawrence T., May: 252.

endurance
and isometric strength in repeated contractions, Kroll, W., Oct.: 375.
and strength from resistive exercises, McCraw, L. W., and Burnham, S., Mar.: 79.
relationship of strength and, Martens, R., and Sharkey, B. J., Oct.: 435.

energy cost
effects of football equipment on thermal balance and during exercise, Fox, E. L., Mathews, D. K., Kaufman, W. S., and Bowers, R. W., Oct.: 332.

ergometer
individual differences in heart rate response, Alderman, R. B., Oct.: 429.
use in swimming research, Costill, D. L., Dec.: 564.

exercise
a calisthenic and non-calisthenic program, Hilsendager, D., Mar.: 148.
determining intensity of, Hanson, D. L., and Van Huss, W. D., Oct.: 433.
development of strength and endurance by resistive, McCraw, L. W., and Burnham, S., Mar.: 79.
effect on ligament strength, Adams, A., May: 163.

effect of on physical fitness, Taddonio, D. A., May: 276.
effects of isotonics and isometrics on heart rate, Schvartz, E., Mar.: 131.
effects of on amount and intensity of activity, Hanson, D., Van Huss, W., and Strautneik, G., May: 221.
effects of isometric belt upon fitness, Baley, J. A., Oct.: 291.
effects on flexibility of the hip, Fieldman, H., Oct.: 326.
effects of football equipment on thermal balance and energy cost during, Fox, E. L., Mathews, D. K., Kaufman, W. S., and Bowers, R. W., Oct.: 332.
effects of warm-up on heart rate during, Howard, G. E., Blyth, C. S., and Thornton, W. E., Oct.: 360.
physiological comparison of static and phasic, Sharkey, B. J., Dec.: 520.

extension
force angles of leg, Berger, R. A., Dec.: 560.
physiological comparison of leg, Sharkey, B. J., Dec.: 520.
strength and flexibility of mentally retarded, Auxter, D. M., Dec.: 455.

Fait endurance hang
effects of isometric exercises upon, Baley, J. A., Oct.: 291.

Falls, Harold B., May: 192.

fatigue
and muscle recovery at various temperatures, Clarke, D. H., and Stelmach, G. E., Dec.: 468.

Faulkner, John A., Mar.: 41, May: 282.

Fieldman, Harold, Oct.: 326.

fitness
see motor fitness, physical fitness.

flexibility
and strength of mentally retarded, Auxter, D. M., Dec.: 455.
body size, strength, and, Laubach, L. L., and McConville, J. R., Oct.: 384.
effects of extensibility exercises on the hip joint, Fieldman, H., Oct.: 326.
relationship of dance to agility, balance, power, strength, and, Bushey, S. R., Oct.: 313.
relationships between anthropometry, somatotype, and, Laubach, L. L., and McConville, J. T., May: 241.

football
effects of equipment on thermal balance and energy cost during exercise, Fox, E. L., Mathews, D. K., Kaufman, W. S., and Bowers, R. W., Oct.: 332.
perceptual differences of dancers, nonperformers, and, Slusher, H. S., Oct.: 424.

force
of leg extension at different angles, Berger, R. A., Dec.: 560.

Fox, Edward L., Oct.: 332.

Garrett, Leon, Mar.: 155.

Garrity, H. Marie, Oct.: 340.

Glencross, D. J. May: 202; Oct.: 353, errata, Dec.: 559; Dec.: 553.

golf
accuracy and putting styles, Neale, D. C., and Anderson, B. D., Mar.: 89.
skill in tennis, handball, and, Waglow, I. F., Mar.: 157.

Gottheil, Edward, Mar.: 126.

Gray, R. K., Dec.: 553.

grip
effects of isometric exercises upon, Baley, J. A., Oct.: 291.
muscular fatigue and recovery at various temperatures, Clarke, D. H., and Stelmach, G. E., Dec.: 468.
relationship of dance to agility, balance, flexibility, power, and, Bushey, S. B., Oct.: 313.
strength and flexibility of mentally retarded, Auxter, D. M., Dec.: 455.

Gutin, Bernard, May: 211, Dec.: 562.

handball
skill in tennis, golf, and, Waglow, I. F., Mar.: 157.

Hanson, Dale L., May: 221, Oct.: 433.

Harvard step test
effects of warm-up on heart rate, Howard, G. E., Blyth, C. S., and Thornton, W. E., Oct.: 360.

health
emotional, Lawrence T., May: 252.

health education
implications of, Dowell, Linus J., Mar.: 23.

heart rate
effects of isotonic and isometric exercise on, Shvartz, E., Mar.: 121.
effects of warm-up on exercise, Howard, G. E., Blyth, C. S., and Thornton, W. E., Oct.: 353.
individual differences in bicycle ergometer work, Alderman, R. B., Oct.: 429.

Henderson, Joe M., Mar.: 9.

Hewitt, Jack E., May: 231.

Hilsendager, Donald, Mar.: 148.

hip
effects of extensibility exercises on the flexibility of, Fieldman, H., Oct.: 326.
body size and strength and flexibility of, Laubach, L. L., and McConville, J. T., Oct.: 384.

Hooks, Edgar W., Jr., Dec.: 506.

Howard Gordon E., Oct.: 360.

Hutton, Robert S., Oct.: 368.

hypertrophy
effect of weight training on strength and muscle, O'Shea, P., Mar.: 95.

Ismail, A. H., May: 192.

isometrics
and isotonic exercise effects on heart rate, Shvartz, E., Mar.: 121.
effects of belt exercises upon fitness, Baley, J. A., Oct.: 291.
in the development of strength and endurance, McCraw, L. W., and Burnham, S., Mar.: 79.
model for assessing change, Kroll, W., Mar.: 61.
strength and endurance in repeated contractions, Kroll, W., Oct.: 375.
success or failure in dynamic movements, Bender, J. A., and Kaplan, H. M., Mar.: 3.

isotonics
and isometric exercise effects on heart rate, Shvartz, E., Mar.: 121.
in the development of strength and endurance, McCraw, L. W., and Burnham, S., Mar.: 79.
success or failure by isometric methods, Bender, J. A., and Kaplan, H. M., Mar.: 3.

Kaplan, Harold M., Mar.: 3.

Kaufman, Wayne S., Oct.: 332.

Karpovich, Peter V., May: 168.

Kerr, Barry A., Mar.: 55.

kinesthetics
after-effects of walking a gradient, Hutton, R. S., Oct.: 368.
value of supplementary visual information, Morford, W. R., Oct.: 393.

kinesiology
angles and leg extension force, Berger, R. A., Dec.: 560.
instability during walking with high heels, Adrian, M. J., and Karpovich, P. V., May: 168.
methods for analyzing motions, Plagenhoef, S. C., Mar.: 103.

kinetics
see kinesiology.

knee extension
speed of reaction and movement in, Kerr, B. A., Mar.: 55.

knowledge
Hook's test in physical education activities, Hooks, E. W., Jr., Dec.: 506.

Kraus-Weber test
relationship of somatotypes to fitness, Garrity, H. M., Oct.: 340.

Kroll, Walter, Mar.: 61, 66; Oct.: 375.

Larson, Gerald, Mar.: 150.

Laubach, Lloyd L., May: 241, Oct.: 384.

Lawrence, Trudys, May: 252.

leadership
in sports, Nelson, D. O., May: 268.

learning
see motor learning.

leg
and thigh strength relative to power, McClements, L. E., Mar.: 71.
extension force at different angles, Berger, R. A., Dec.: 560.
physiological comparison of static and phasic extension, Sharkey, B. J., Dec.: 520.
power, speed, strength, and anthropometric measures in, Start, K. B., Gray, R. K., Glencross, D. J., and Walsh, A., Dec.: 553.
relationship of power to strength, Berger, R. A., and Henderson, J. M., Mar.: 9.

leg lift
effects of isometric exercises upon, Baley, J. A., Oct.: 291.

Liba, Marie R., Oct.: 411.

ligament strength
effect of exercise upon, Adams, A., May: 163.

MacLeod, D. F., May: 192.

Madary, Charles J., Mar.: 32.

Martens, Rainer, Oct.: 435.

Mathews, Donald K., Oct.: 332.

McClements, Lawrence E., Mar.: 71.

McConville, John T., May: 241, Oct.: 384.

McCraw, Lynn W., Mar.: 79.

measurement
a ball velocity measurement device, Nelson, R. C., Larson, G., Crawford, C., and Grose, D., Mar.: 150.

mental ability
effect of physical fitness and stress on, Gutin, B., May: 211.

mental retardation
and physical fitness, Sengstock, W. L., Mar.: 113.
strength and flexibility of mentally retarded, Auxter, D. M., Dec.: 455.

Mitchem, John C., Oct.: 438, Dec.: 515.

Morehouse, Chauncey A., Oct.: 441.

Morford, W. R., Oct.: 393.

motion
methods for obtaining kinetic data for analyzing, Plagenhoef, S. C., Mar.: 103.

motor fitness
and physical fitness, Drowatzky, J. N., and Madary, C. J., Mar.: 32.

motor learning
of motor tasks influenced by age and sex, Bachman, J. C., May: 176.
spirokinesis, Cratty, B. J., and Sage, J. N., Dec.: 480.
transfer and success in archery, Singer, R. N., Dec.: 532.
visual information during practice, Morford, W. R., Oct.: 393.

motor performance
interlimb skill ability in, Singer, R. N., Oct.: 406.

motor tasks
influence of age and sex on learning of, Bachman, J. C., May: 176.

movement
dynamic by isometric methods, Bender, J. A., and Kaplan, H. M., Mar.: 3.
speed of reaction and knee extension, Kerr, B. A., Mar.: 55.
strength and speed of limb influenced by training methods, Whitley, J. D., and Smith, L. E., Mar.: 132.

Moyer, Lou J., Dec.: 515.

multiple range test
see statistics.

muscle
effects of autosuggested contraction on strength and size, Bowers, L., Oct.: 302.
fatigue and recovery at various temperatures, Clarke, D. H., and Stelmach, G. E., Dec.: 468.
instrument for measuring power, Glencross, D. J., May: 202.
strength, flexibility, and body size, Laubach, L. L., and McConville, J. T., Oct.: 384.

Neale, Daniel C., Mar.: 89.

Nelson, Dale O., May: 268.

Nelson, Richard C., Mar.: 150, Oct.: 441.

organismic interaction
and research, Gutin, B., Dec.: 562.

O'Shea, Patrick, Mar.: 95.

oxygen
an aid to recovery after exertion, Bjorgum, R. K., and Sharkey, B. J., Dec.: 462.
effects of high concentrations on performance, Cunningham, D. A., Dec.: 491.
uptake in adults from Youth Fitness test, Falls, H. B., Ismail, A. H., and MacLeod, D. F., May: 192.

Paddick, Robert J., Oct.: 446.

Pangle, Roy, Mar.: 155.

participation
effects on achievement, Sloan, M. R., and Liba, M. R., Oct.: 411.
in athletics and personality, Werner, A. C., and Gottheil, E., Mar.: 126.

perceptual differences
in football players, dancers, and nonperformers, Slusher, H. S., Oct.: 424.

performance
see motor performance.

personality
and participation in athletics, Werner, A. C., and Gottheil, E., Mar.: 126.
leadership in sports, Nelson, D. O., May: 268.

Petersen, Kay H., Mar.: 66.

physical education
accidents in, Dissinger, J. K., Dec.: 495.
achievement through participation in, Sloan, M. R., and Liba, M. R., Oct.: 411.
attitudes toward, Moyer, L. J., Mitchem, J. C., and Bell, M. M., Dec.: 515.
Hook's knowledge test in selected activities, Hooks, E. W., Jr., Dec.: 506.

physical fitness
and motor fitness, Drowatzky, J. N., and Madary, C. J., Mar.: 32.
effect of on mental ability following stress, Gutin, B., May: 211.
effect of calisthenics upon, Taddonio, D. A., May: 276.
effects of isometric belt exercises on, Baley, J. A., Oct.: 291.
O_2 uptake in adults from Youth Fitness test, Falls, H. B., Ismail, A. H., and MacLeod, D. F., May: 192.
of mentally retarded, Sengstock, W. L., Mar.: 113.
relationship of somatotypes of women to, Garrity H. M., Oct.: 340.
relationship to popularity, Yarnall, C. D., May: 286.

physiology
a comparison of static and phasic exercise, Sharkey, B. J., Dec.: 520.
effects of breathing oxygen on performance, Cunningham, D. A., Dec.: 491.
measuring muscle power, Glencross, D. J., May: 202.
muscular fatigue and recovery at various temperatures, Clarke, D. H., and Stelmach, G. E., Dec.: 468.
of swimming, Faulkner, J. A., Mar.: 41.
O_2 uptake in adults from Youth Fitness test, Falls, H. B., Ismail, A. H., and MacLeod, D. F., May: 192.
oxygen as an aid to recovery after exertion, Bjorgum, R. K., and Sharkey, B. J., Dec.: 462.
pulse rate after swims, Faulkner, J. A., and Dawson, R. M., May: 282.
use of a swimming ergometer in research, Costill, D. L., Dec.: 465.

Plagenhoef, Stanley C., Mar.: 103.

popularity
relationship to physical fitness, Yarnall, C. D., May: 286.

power
instrument for measuring, Glencross, D. J., May: 202.
relationship to strength, Berger, R. A., and Henderson, J. M., Mar.: 9.
relationship of dance to agility, balance, flexibility, strength, and, Bushey, S. R., Oct.: 313.
relative to strength of leg and thigh, McClements, L. E., Mar.: 71.
nature of the vertical jump test and the standing broad jump, Glencross, D. J., Oct.: 353.
speed, strength, and anthropometric measures in leg, Start, K. B., Gray, R. K., Glencross, D. J., and Walsh, A., Dec.: 553.

psychometer
reactions of athletes as indicated by, Slusher, H. S., Dec.: 540.

pulse rate
after swimming, Faulkner, J. A., and Dawson, R. M., May: 282.

putting
accuracy of styles, Neale, D. C., and Anderson, B. D., Mar.: 89.

reaction
of athletes indicated by a psychometer, Slusher, H. S., Dec.: 540.
speed of and movement in knee extension, Kerr, B. A., Mar.: 55.

recovery
and muscular fatigue at various temperatures, Clarke, D. H., and Stelmach, G. E.. Dec.: 468.
oxygen as an aid after exertion, Bjorgum, R. K., and Sharkey, B. J., Dec.: 462.

research
in physiology of swimming, Faulkner, J. A., Mar.: 41.
organismic interaction: implications for research, Gutin, B., Dec.: 562.

running
controlling work load in, Sedgwick, A. W., and Paddick, R. J., Oct.: 446.
effects of isometric exercises upon, Baley, J. A., Oct.: 291.

Sage, Jack N., Dec.: 480.

Scott Physical Fitness battery
relationship of somatypes to fitness, Garrity, H. M., Oct.: 340.

Sedgwick, Antony W., Oct.: 446.

Sengstock, Wayne L., Mar.: 113.

sex
learning of motor tasks influenced by age and, Bachman, J. C., May: 176.

Sharkey, Brian J., Oct.: 435, Dec.: 462, 520.

Shvartz, Esar, Mar.: 121.

Singer, Robert N., May: 284, Oct.: 406, Dec.: 532.

skill
in tennis, golf, and handball, Waglow, I. F., Mar.: 157.

Sloan, Muriel R., Oct.: 411.

Slusher, Howard S., Oct.: 424, Dec.: 540.

Smith, Leon E., Mar.: 132.

somatotype
relationship to physical fitness, Garrity, H. M., Oct.: 340.
relationships between flexibility, anthropometry and, Laubach, L. L., and McConville, J. T., May: 241.
strength, flexibility and body size, Laubach, L. L., and McConville, J. T., Oct.: 384.

speed
arm strength relative to, Colgate, J. A., Mar.: 14.
contractions in development of strength and endurance, McCraw, L. W., and Burnham, S., Mar.: 79.
of reaction and movement in knee extension, Kerr, B. A., Mar.: 55.
power, strength, and anthropometric measures in the leg, Start, K. B., Gray, R. K., Glencross, D. J., and Walsh, A., Dec.: 553.
training effects on limb strength and, Whitley, J. D., and Smith, L. E., Mar.: 132.

spirokinesis
Cratty, B. J., and Sage, J. N., Dec.: 480.

sports
leadership in, Nelson, D. O., May: 268.

standing broad jump
takeoff variations in, Eckert, H., Mar.: 143.
vertical jump and, Glencross, D. J., Oct.: 353.

Start, K. B., Dec.: 553.

statistics
cross-validation of the Booth scale, Kroll, W., and Petersen, K. H., Mar. 66.
individual t tests vs. multiple range tests, Singer, R. N., May: 284.
model for assessing change to isometric measurement, Kroll, W., Mar.: 61.
procedures used in multiple-group experiments, Nelson, R. C., and Morehouse, C. A., Oct.: 441.

Stelmach, George E., Dec.: 468.

Strautneik, Gundars, May: 221.

strength
and endurance from resistive exercise, McCraw, L. W., and Burnham, S., Mar.: 79.
and flexibility of mentally retarded, Auxter, D. M., Dec.: 455.
and isometric endurance in repeated contractions, Kroll, W., Oct.: 375.
body size, flexibility, and, Laubach, L. L., and McConville, J. T., Oct.: 384.
effect of exercise upon ligaments, Adams, A., May: 163.
effect of weight training on muscle hypertrophy and, O'Shea, P., Mar.: 95.
of leg and thigh relative to power, McClements, L. E., Mar.: 71.
effects of muscle contraction on size and, Bowers, L., Oct.: 302.
power, speed, and anthropometric measures in the leg, Start, K. B., Gray, R. K., Glencross, D. J., and Walsh, A., Dec.: 553.
relationship of chinning to total, Berger, R. A., Oct.: 431.
relationship of dance to agility, balance, flexibility, power, and, Bushey, S. R., Oct.: 313.
relationship of endurance and, Martens, R., and Sharkey, B. J., Oct.: 435.
relationship of power to, Berger, R. A., and Henderson, J. M., Mar.: 3.
relative to arm speed, Colgate, J. A., Mar.: 14.
training effects on limb speed and, Whitley, J. D., and Smith, L. E., Mar.: 132.

stress
and physical fitness effect on mental ability, Gutin, B., May: 211.

swimming
physiology of, Faulkner, J. A., Mar.: 41.
pulse rate after, Faulkner, J. A., and Dawson, R. M., May: 282.
use of an ergometer in research, Costill, D. L., Dec.: 564.

Taddonio, Dominick A., May: 276.

temperature
and muscular fatigue and recovery curves, Clarke, D. H., and Stelmach, G. E., Dec.: 468.

tennis
achievement test, Hewitt, J. E., May: 231.
skill in golf, handball, and, Waglow, I. F., Mar.: 157.

thigh
and leg strength relative to power, McClements, L. E., Mar.: 71.

Thornton, William E., Oct.: 360.

toe-touch
effects of exercises on hip flexibility, Fieldman, H., Oct.: 326.

training
effects of on strength and speed of limb, Whitley, J. D., and Smith, L. E., Mar.: 132.

transfer
learning difficulty in archery, Singer, R. N., Dec.: 532.

treadmill
Oct.: 332, Dec.: 462, Dec.: 491.

t test
see statistics.

validity
cross-validation of the Booth scale, Kroll, W., and Petersen, K. H., Mar.: 66.

Van Huss, Wayne D., May: 221, Oct.: 433.

velocity
a ball velocity measuring device, Nelson, R. C., Larson, G., Crawford, C., and Brose, D., Mar.: 150.

vertical jump
effects of isometric exercises upon, Baley, J. A., Oct.: 291.
relationship of dance to agility, balance, flexibility, strength, and, Bushey, S. R., Oct.: 313.
standing broad jump and, Glencross, D. J., Oct.: 353; errata, Dec.: 559.
strength and flexibility of mentally retarded, Auxter, D. M., Dec.: 455.

visual information
value during practice on dynamic kinesthetic learning, Morford, W. R., Oct.: 393.

Waglow, I. F., Mar.: 157.

walking
instability with high heels, Adrian, M. J., and Karpovich, P. V., May: 168.
kinesthetic after-effect from gradient, Hutton, R. S., Oct.: 368.

Walsh, A., Dec.: 553.

warm-up
effects on heart rate during exercise, Howard, G. E., Blyth, C. S., and Thornton, W. E., Oct.: 360.

Wear attitude inventory
attitudes toward phsyical education, Moyer, L. J., Mitchem, J. C., and Bell, M. M., Dec.: 515.

weight training
effect on strength and muscle hypertrophy, O'Shea, P., Mar.: 95.

Wendt, Dorothy, Mar.: 145.

Werner, Alfred C., Mar.: 126.

Whitley, Jim D., Mar.: 132.

Women's Reserve Physical Fitness test
relationship of somatotypes to fitness, Garrity, H. M., Oct.: 340.

Yarnall, C. Douglas, May: 286.

Youth Fitness test
O_2 uptake in adults from, Falls, H. B., Ismail, A. H., and MacLeod, D. F., May: 192.
physical fitness of mentally retarded, Sengstock, W. L., Mar.: 113.
reliability of 600 yard run-walk, Askew, N. R., Dec.: 451.